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**AMENDMENTS TO THE CLAIMS**

**1. (currently amended) A load balancer comprising:**

means extracting identifying information specific to a mobile IP terminal from an arrival packet; and

means determining a single destination server, from among a plurality of servers corresponding to a destination of the packet, to be connected based on the identifying information, ~~the destination server corresponding to a destination of the packet,~~

wherein the destination server is associated with the mobile IP terminal according to a load balancing algorithm; and

wherein the mobile IP terminal can communicate with the single destination server before and after the mobile IP terminal moves from one network to another network.

**2. (previously presented) The load balancer as claimed in claim 1, wherein the identifying information comprises a home address included in a destination option header of the packet.**

**3. (previously presented) The load balancer as claimed in claim 1, wherein the identifying information is prescribed in predetermined lower bits of a source address of a packet utilizing a stateless address configuration method.**

**4. (previously presented) The load balancer as claimed in claim 1, wherein the identifying information comprises a security parameter index of the packet if encrypted.**

**5. (currently amended) A load balancer comprising:**

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means requesting a home agent to notify a change of a care-of address when the care-of address of a mobile IP terminal has changed upon an arrival of a first packet addressed to a server; and

means determining a single destination server, from among a plurality of servers, corresponding to a destination of the packet, to be connected by regarding the notified care-of address as identifying information, ~~the destination server corresponding to a destination of the packet,~~

wherein the destination server is associated with the mobile IP terminal according to a load balancing algorithm, and

wherein the mobile IP terminal can communicate with the single destination server before and after the mobile IP terminal moves from one network to another network.

**6. (currently amended) A load balancer comprising:**

means requesting a mobile IP terminal to notify a change of a care-of address when the care-of address of the mobile IP terminal has changed upon an arrival of a first packet addressed to a server; and

means determining a single destination server, from among a plurality of servers, corresponding to a destination of the packet, to be connected by regarding the notified care-of address as identifying information, ~~the destination server corresponding to a destination of the packet,~~

wherein the destination server is associated with the mobile IP terminal according to a load balancing algorithm, and

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wherein the mobile IP terminal can communicate with the single destination server before and after the mobile IP terminal moves from one network to another network.

**7. (previously presented)** The load balancer as claimed in claim 2, wherein when the extracting means extract a packet transmitted from a home link upon an arrival of the packet and the packet does not have the destination option header, the determining means determine the destination server by regarding a source address of the packet as the identifying information.

**8. (previously presented)** The load balancer as claimed in claim 1, wherein the determining means are provided with a table for storing an address of the destination server having a source address associated with the care-of address as a retrieval key, thereby determining the destination server using the source address of the arrival packet.

**9. (previously presented)** The load balancer as claimed in claim 5, wherein the determining means are provided with a table for storing an address of the destination server having a source address associated with the care-of address as a retrieval key, thereby determining the destination server using the source address of the arrival packet, and the table prepares an entry with a new care-of address as a retrieval key when the new care-of address has been notified, and stores, as storing data, an address of the destination server stored as data of an entry of an old care-of address.

**10. (previously presented)** The load balancer as claimed in claim 9, wherein the determining means store a lifetime in the data of the entry, periodically decrement the lifetime, update the

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lifetime every time a packet using the entry has arrived, and invalidate the entry upon expiration of the lifetime.

**11. (previously presented)** The load balancer as claimed in claim 1, wherein a home agent of a mobile IP terminal as a substitute for the server is made a destination to be connected.

**12. (currently amended)** A home agent comprising:

means managing binding cache information; and

means notifying, according to a request from a load balancer, the binding cache information managed by the home agent itself to the load balancer periodically or when triggered in operation by a change of a care-of address of a mobile IP terminal;

wherein a single server, associated with the mobile IP terminal according to a load balancing algorithm, is determined from among a plurality of servers corresponding to a destination of the packet based on identifying information specific to the mobile IP terminal; and

~~wherein the server corresponds to a destination of a packet, and~~

wherein the mobile IP terminal can communicate with the single destination server before and after the mobile IP terminal moves from one network to another network.

**13. (currently amended)** A mobile IP terminal comprising:

means managing binding cache information; and

means notifying, according to a request from a load balancer, the binding cache information managed by the mobile IP terminal itself to the load balancer periodically or when triggered in operation by a change of a care-of address of the mobile IP terminal itself;

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wherein a single server, associated with the mobile IP terminal according to a load balancing algorithm, is determined from among a plurality of servers corresponding to a destination of the packet based on identifying information specific to the mobile IP terminal; ~~and wherein the server corresponds to a destination of a packet, and~~  
wherein the mobile IP terminal can communicate with the single destination server before and after the mobile IP terminal moves from one network to another network.

**14. (previously presented)** The load balancer as claimed in claim 7, wherein the determining means are provided with a table for storing an address of the destination server having a source address associated with the care-of address as a retrieval key, thereby determining the destination server using the source address of the arrival packet.

**15. (previously presented)** The load balancer as claimed in claim 6, wherein the determining means are provided with a table for storing an address of the destination server having a source address associated with the care-of address as a retrieval key, thereby determining the destination server using the source address of the arrival packet, and the table prepares an entry with a new care-of address as a retrieval key when the new care-of address has been notified, and stores, as storing data, an address of the destination server stored as data of an entry of an old care-of address.

**16. (previously presented)** The load balancer as claimed in claim 15, wherein the determining means store a lifetime in the data of the entry, periodically decrement the lifetime, update the

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lifetime every time a packet using the entry has arrived, and invalidate the entry upon expiration of the lifetime.